In the Claims:

1. (original) Insulation arrangement for pipes, especially for pipes of a pneumatic system in a passenger transport aircraft, which essentially comprises at least one insulation layer (6) as well as an outer sheath consisting of titanium foil (31), characterized in that the outer sheath (3) is connected, in a first end section (32) and in a second end section (33), respectively with a termination profile (7) and thereby a shell (9) with at least one longitudinal seam (13) is formed, into which shell the insulation layer (6) is insertable.

2. (original) Insulation arrangement according to claim 1, characterized in that the termination profile (7) is embodied as a Z-profile, which is connected with an upper web (71) with the titanium foil (31), and a middle web (72) as well as a lower web (73) form a receiver for the insulation layer (6).

Claims 3 to 10 (canceled).

11. (new) Insulation arrangement according to claim 1, characterized in that the shell (9) is embodied as a full shell, which is opened at the longitudinal seam (13) and

slipped over the pipe (2), and is closed by means of joint webs (14, 14') provided on the longitudinal seam (13).

12. (new) Insulation arrangement according to claim 11, characterized in that the connection on the longitudinal seam (13) between the joint webs (14, 14') is produced by means of adhesive bonding or welding.

13. (new) Insulation arrangement according to claim 1, characterized in that the shell (9) is embodied as two half shells, which comprise two longitudinal seams, the two half shells are positioned on the pipe (2), and the insulation is closed by means of joint webs (14, 14') provided on the longitudinal seams.

14. (new) Insulation arrangement according to claim 13, characterized in that the connection on the longitudinal seam (13) between the joint webs (14, 14') is produced by means of adhesive bonding or welding.

15. (new) Insulation arrangement according to claim 1, characterized in that a securing web (15) for the form-locking securing of the connection is provided in the area of the longitudinal seam connection (13).

16. (new) Insulation arrangement according to claim 1, characterized in that the titanium foil (31) comprises a profiled or patterned configuration (4).

17. (new) Insulation arrangement according to claim 1, characterized in that the outer sheath (3) comprises outlet holes (5), warning wires (11) are arranged above the outlet holes (5), and an anti-rotation securement (8) is provided, which prevents a position change between the pipe (2) and the shell (9).

18. (new) Insulation arrangement according to claim 17, characterized in that the anti-rotation securement (8) is formed through a partial adhesive connection, preferably as a fillet joint seam (81) of a temperature resistant adhesive or a paste between the outside profile (7) and the pipe (2).

19. (new) Insulation arrangement according to claim 1, characterized in that stiffening elements (12) are at least partially applied onto the inner side of the titanium foil (31).

[REMARKS FOLLOW ON NEXT PAGE]